PATENT ABSTRACTS OF JAPAN

(54) EMITTING PARTICLE FOR FIELD EMISSION DISPLAY AND LUMINESCENT LAYER FORMING METHOD FOR FIELD EMISSION DISPLAY

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an emitting particle for a field emission display, whereby emitting efficiency of a luminescent layer is maximized and total surface permeability of light can be improved simultaneously with facilitating electron dispersion, and a forming method of the luminescent layer using the emitting particle for the field emission display.

SOLUTION: An emitting particle 30 applying a coating is used, by a forming method of a luminescent layer for a field emission display, the luminescent layer for the field emission display is formed, on a transparent substrate 10 like glass, a transparent conductive layer 20 is formed, in its upper part, a luminescent layer 30a constituted by a powdery particle 30 applying a coating is formed. In the emitting particle for the field emission display for improving emitting efficiency, in a surface of a fluorescent material fine particle or transparent conductive particle formed into powder, coating a uniform thin film by an atomic layer epitaxy method is used.

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